

*J. Salomon*

# CAPITOL RADIATORS



*UNITED STATES RADIATOR CORPORATION*

*DETROIT, MICHIGAN*

## GUARANTEED

*Every radiator made by the  
United States Radiator Corpora-  
tion is positively guaranteed to  
be free from any imperfections in  
materials or workmanship, and  
to give entire satisfaction in the  
work for which it is intended.*



*with*  
*Standardized Ratings*

SEPTEMBER 1, 1928

Reprint, November, 1930

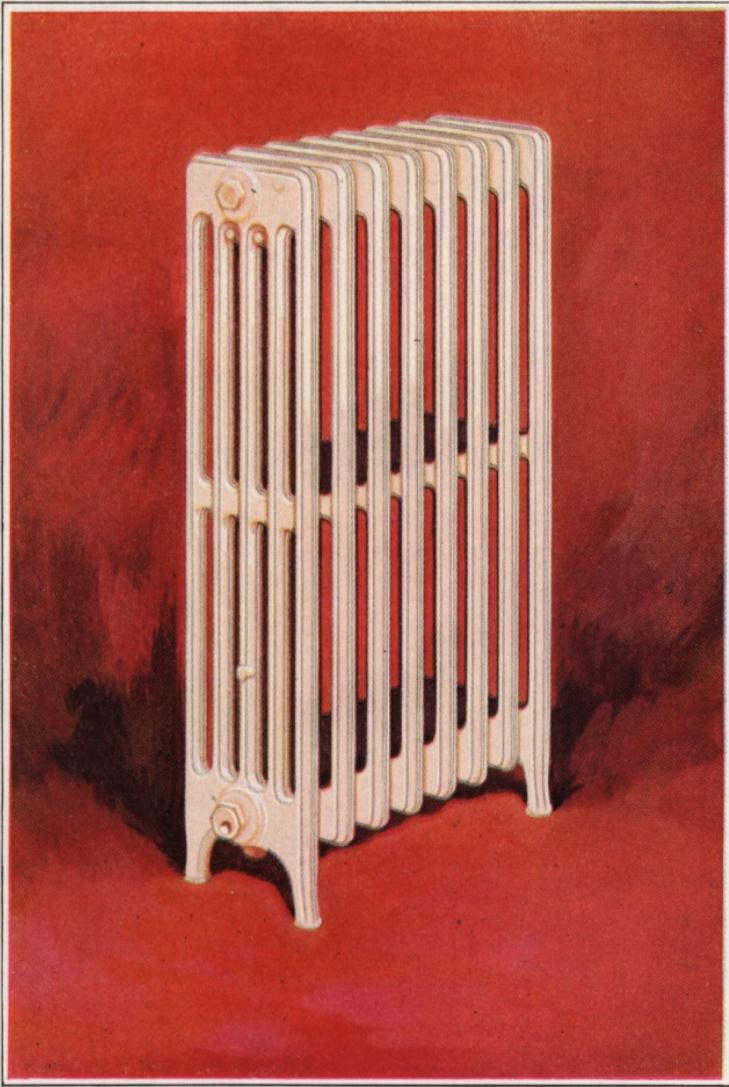
*UNITED STATES RADIATOR CORPORATION*

*Detroit, Michigan*

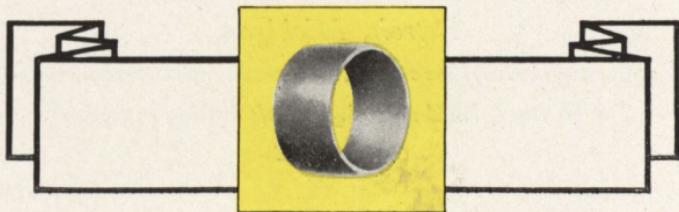
EIGHT MANUFACTURING PLANTS AND THIRTY-FIVE ASSEMBLING PLANTS SERVE THE COUNTRY

*For 40 years, builders of dependable heating equipment*

*Copyright, 1928*



## THE CAPITOL



---

# The Radiator Masterpiece

---

WHAT won for the Capitol such universal acclaim as the Radiator masterpiece?

Its classic beauty and harmonious grace that instantly impressed all observers. Its strength that was the perfected result of unhurried experiment and careful development. Its notable heating ability, approved as superior in tests made by the engineering laboratories of a great university.

Its instant success was a foregone conclusion. For never has heating efficiency been clothed with greater symmetry. In profile or in full view it equally exhibits its classic beauty. Lines that melt in grace, contours of flawless perfection; every detail aids its capacity, not merely for more speedy transmission of heat, but for blending into the decorative scheme of any home without unduly accenting itself.

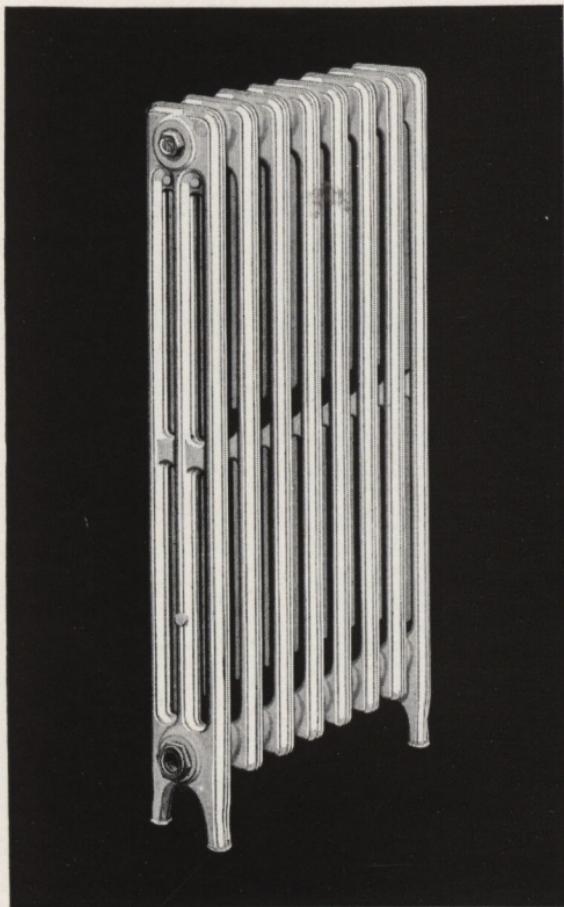
It has the added advantage of the most approved type of assembly. Extra heavy malleable cast iron push nipples, machined with hair-breadth precision, form a perfect, tight iron-to-iron joint. They need no gaskets, have no threads to rust, are taken apart and assembled with the greatest ease. Unobtrusive connecting rods truss them like a steel bridge into a sturdy unit that cannot be wrenched loose by rack or strain.

Finally, the *standardized* radiator ratings on the following pages fit any standard set of specifications, offering the greater beauty, efficiency, and value of Capitol Radiators without the necessity of refiguring the job.

---

## CAPITOL THREE TUBE RADIATORS

---



CAPITOL THREE TUBE

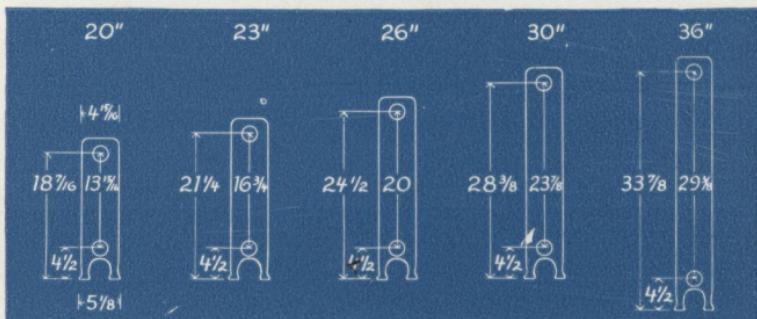
LONG research and study preceded each step in the design of the Capitol radiator. No enthusiasm was permitted to hurry out an immature radiator that might require changing later. Every detail was checked for strength, every line scrutinized for beauty. Extreme narrowness with unusual stability on its feet is the outstanding feature of the Capitol three tube radiator.

# CAPITOL THREE TUBE RADIATORS

## FOR STEAM OR WATER

No. of Sec- tions	*Length Inches	HEATING SURFACE—SQUARE FEET				
		36-inch Height 3½ Sq. Ft. Per Section	30-inch Height 3 Sq. Ft. Per Section	26-inch Height 2 1/3 Sq. Ft. Per Section	23-inch Height 2 Sq. Ft. Per Section	20-inch Height 1 3/4 Sq. Ft. Per Section
2	5	7	6	4 2/3	4	3 1/2
3	7 1/2	10 1/2	9	7	6	5 1/4
4	10	14	12	9 1/3	8	7
5	12 1/2	17 1/2	15	11 2/3	10	8 3/4
6	15	21	18	14	12	10 1/2
7	17 1/2	24 1/2	21	16 1/3	14	12 1/4
8	20	28	24	18 2/3	16	14
9	22 1/2	31 1/2	27	21	18	15 3/4
10	25	35	30	23 1/3	20	17 1/2
11	27 1/2	38 1/2	33	25 2/3	22	19 1/4
12	30	42	36	28	24	21
13	32 1/2	45 1/2	39	30 1/3	26	22 1/4
14	35	49	42	32 2/3	28	24 1/2
15	37 1/2	52 1/2	45	35	30	26 1/4
16	40	56	48	37 1/3	32	28
17	42 1/2	59 1/2	51	39 2/3	34	29 3/4
18	45	63	54	42	36	31 1/2
19	47 1/2	66 1/2	57	44 1/3	38	33 1/4
20	50	70	60	46 2/3	40	35
21	52 1/2	73 1/2	63	49	42	36 3/4
22	55	77	66	51 1/3	44	38 1/2
23	57 1/2	80 1/2	69	53 2/3	46	40 1/4
24	60	84	72	56	48	42
25	62 1/2	87 1/2	75	58 1/3	50	43 3/4

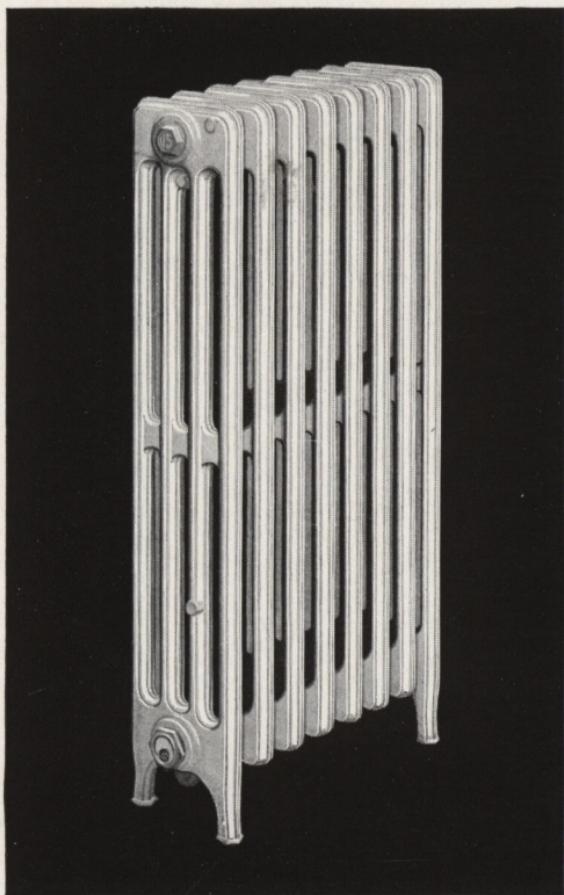
\*Allow  $\frac{1}{2}$  inch for each bushing in estimating length of radiators. Tappings 1½ inches, top and bottom, bushed as per list on page 16, unless otherwise specified. Furnished with 6 inch legs on special order, or without legs as illustrated on page 12. Special shapes shown on page 14.



---

CAPITOL FOUR TUBE RADIATORS

---



CAPITOL FOUR TUBE

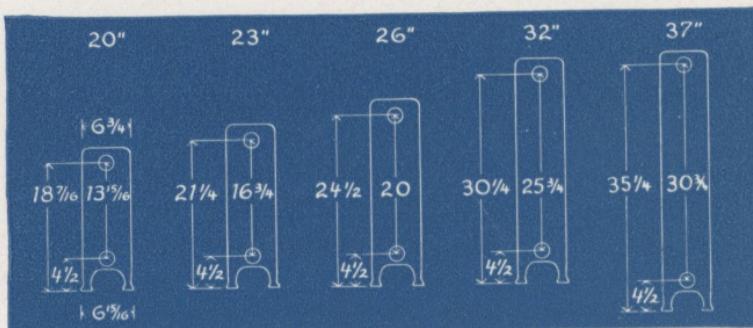
DECORATORS with a feeling for lovely line, engineers who understand heating, both acclaim the new Capitol as the radiator masterpiece. Never has heating efficiency been clothed with greater symmetry. Capitol four tube radiators meet the demand for a maximum of footage where conditions of installation require narrow radiation in a limited wall space.

# CAPITOL FOUR TUBE RADIATORS

## FOR STEAM OR WATER

No. of Sec- tions	*Length Inches	HEATING SURFACE—SQUARE FEET				
		37-inch Height $4\frac{1}{4}$ Sq. Ft. Per Section	32-inch Height $3\frac{1}{2}$ Sq. Ft. Per Section	26-inch Height $2\frac{3}{4}$ Sq. Ft. Per Section	23-inch Height $2\frac{1}{2}$ Sq. Ft. Per Section	20-inch Height $2\frac{1}{4}$ Sq. Ft. Per Section
2	5	8 $\frac{1}{2}$	7	5 $\frac{1}{2}$	5	4 $\frac{1}{2}$
3	7 $\frac{1}{2}$	12 $\frac{3}{4}$	10 $\frac{1}{2}$	8 $\frac{1}{4}$	7 $\frac{1}{2}$	6 $\frac{3}{4}$
4	10	17	14	11	10	9
5	12 $\frac{1}{2}$	21 $\frac{1}{4}$	17 $\frac{1}{2}$	13 $\frac{3}{4}$	12 $\frac{1}{2}$	11 $\frac{1}{4}$
6	15	25 $\frac{1}{4}$	21	16 $\frac{1}{4}$	15	13 $\frac{1}{2}$
7	17 $\frac{1}{2}$	29 $\frac{3}{4}$	24 $\frac{1}{2}$	19 $\frac{1}{4}$	17 $\frac{1}{2}$	15 $\frac{3}{4}$
8	20	34	28	22	20	18
9	22 $\frac{1}{2}$	38 $\frac{1}{4}$	31 $\frac{1}{2}$	24 $\frac{3}{4}$	22 $\frac{1}{2}$	20 $\frac{1}{4}$
10	25	42 $\frac{1}{2}$	35	27 $\frac{1}{2}$	25	22 $\frac{1}{2}$
11	27 $\frac{1}{2}$	46 $\frac{3}{4}$	38 $\frac{1}{2}$	30 $\frac{1}{4}$	27 $\frac{1}{2}$	24 $\frac{3}{4}$
12	30	51	42	33	30	27
13	32 $\frac{1}{2}$	55 $\frac{1}{4}$	45 $\frac{1}{2}$	35 $\frac{3}{4}$	32 $\frac{1}{2}$	29 $\frac{1}{4}$
14	35	59 $\frac{1}{2}$	49	38 $\frac{1}{2}$	35	31 $\frac{1}{2}$
15	37 $\frac{1}{2}$	63 $\frac{3}{4}$	52 $\frac{1}{2}$	41 $\frac{1}{4}$	37 $\frac{1}{2}$	33 $\frac{3}{4}$
16	40	68	56	44	40	36
17	42 $\frac{1}{2}$	72 $\frac{1}{4}$	59 $\frac{1}{2}$	46 $\frac{3}{4}$	42 $\frac{1}{2}$	38 $\frac{1}{4}$
18	45	76 $\frac{1}{2}$	63	49 $\frac{1}{2}$	45	40 $\frac{1}{2}$
19	47 $\frac{1}{2}$	80 $\frac{3}{4}$	66 $\frac{1}{2}$	52 $\frac{1}{4}$	47 $\frac{1}{2}$	42 $\frac{3}{4}$
20	50	85	70	55	50	45
21	52 $\frac{1}{2}$	89 $\frac{1}{4}$	73 $\frac{1}{2}$	57 $\frac{3}{4}$	52 $\frac{1}{2}$	47 $\frac{1}{4}$
22	55	93 $\frac{1}{2}$	77	60 $\frac{1}{2}$	55	49 $\frac{1}{2}$
23	57 $\frac{1}{2}$	97 $\frac{3}{4}$	80 $\frac{1}{2}$	63 $\frac{3}{4}$	57 $\frac{1}{2}$	51 $\frac{3}{4}$
24	60	102	84	66	60	54
25	62 $\frac{1}{2}$	106 $\frac{1}{4}$	87 $\frac{1}{2}$	68 $\frac{3}{4}$	62 $\frac{1}{2}$	56 $\frac{3}{4}$

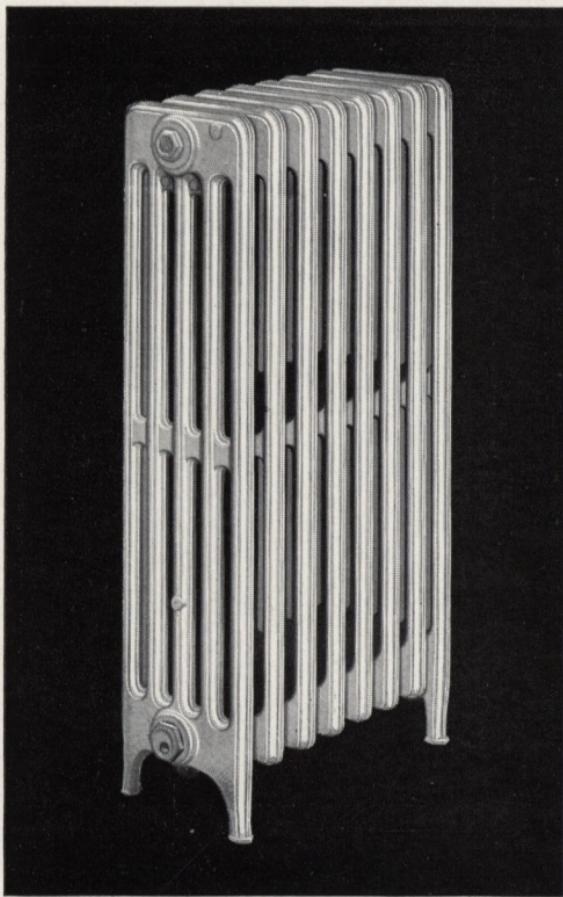
\*Allow  $\frac{1}{2}$  inch for each bushing in estimating length of radiators. Tappings 1 $\frac{1}{2}$  inches, top and bottom, bushed as per list on page 16, unless otherwise specified. Furnished with 6 inch legs on special order, or without legs as illustrated on page 12. Special shapes shown on page 14.



---

## CAPITOL FIVE TUBE RADIATORS

---



CAPITOL FIVE TUBE

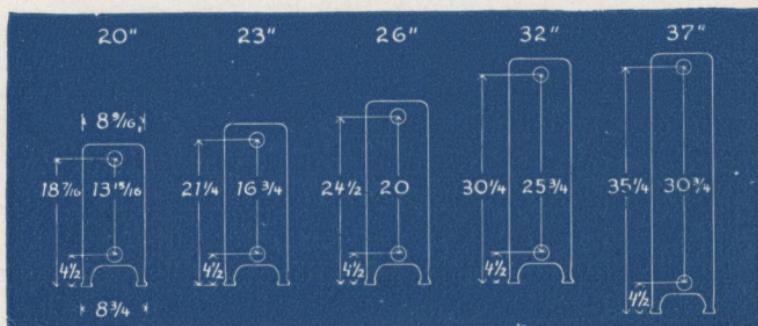
In our judgment, the Capitol is considered by far the finest and most efficient radiator that we have ever produced. The prime feature of the five tube is the unusual amount of surface per section. This extra surface is obtained without sacrificing efficiency by reducing air passages. Uniform ample air passages are maintained in all Capitol patterns.

# CAPITOL FIVE TUBE RADIATORS

## FOR STEAM OR WATER

No. of Sec- tions	*Length Inches	HEATING SURFACE—SQUARE FEET				
		37-inch Height 5 Sq. Ft. Per Section	32-inch Height 4 $\frac{1}{2}$ Sq. Ft. Per Section	26-inch Height 3 $\frac{1}{2}$ Sq. Ft. Per Section	23-inch Height 3 Sq. Ft. Per Section	20-inch Height 2 $\frac{3}{4}$ Sq. Ft. Per Section
2	5	10	8 $\frac{2}{3}$	7	6	5 $\frac{1}{3}$
3	7 $\frac{1}{2}$	15	13	10 $\frac{1}{2}$	9	8
4	10	20	17 $\frac{1}{3}$	14	12	10 $\frac{2}{3}$
5	12 $\frac{1}{2}$	25	21 $\frac{2}{3}$	17 $\frac{1}{2}$	15	13 $\frac{1}{3}$
6	15	30	26	21	18	16
7	17 $\frac{1}{2}$	35	30 $\frac{1}{3}$	24 $\frac{1}{2}$	21	18 $\frac{2}{3}$
8	20	40	34 $\frac{2}{3}$	28	24	21 $\frac{1}{3}$
9	22 $\frac{1}{2}$	45	39	31 $\frac{1}{2}$	27	24
10	25	50	43 $\frac{1}{3}$	35	30	26 $\frac{2}{3}$
11	27 $\frac{1}{2}$	55	47 $\frac{2}{3}$	38 $\frac{1}{2}$	33	29 $\frac{1}{3}$
12	30	60	52	42	36	32
13	32 $\frac{1}{2}$	65	56 $\frac{1}{3}$	45 $\frac{1}{2}$	39	34 $\frac{2}{3}$
14	35	70	60 $\frac{2}{3}$	49	42	37 $\frac{1}{3}$
15	37 $\frac{1}{2}$	75	65	52 $\frac{1}{2}$	45	40
16	40	80	69 $\frac{1}{3}$	56	48	42 $\frac{2}{3}$
17	42 $\frac{1}{2}$	85	73 $\frac{2}{3}$	59 $\frac{1}{2}$	51	45 $\frac{1}{3}$
18	45	90	78	63	54	48
19	47 $\frac{1}{2}$	95	82 $\frac{1}{3}$	66 $\frac{1}{2}$	57	50 $\frac{2}{3}$
20	50	100	86 $\frac{2}{3}$	70	60	53 $\frac{1}{3}$
21	52 $\frac{1}{2}$	105	91	73 $\frac{1}{2}$	63	56
22	55	110	95 $\frac{1}{3}$	77	66	58 $\frac{2}{3}$
23	57 $\frac{1}{2}$	115	99 $\frac{2}{3}$	80 $\frac{1}{2}$	69	61 $\frac{1}{3}$
24	60	120	104	84	72	64
25	62 $\frac{1}{2}$	125	108 $\frac{1}{3}$	87 $\frac{1}{2}$	75	66 $\frac{2}{3}$

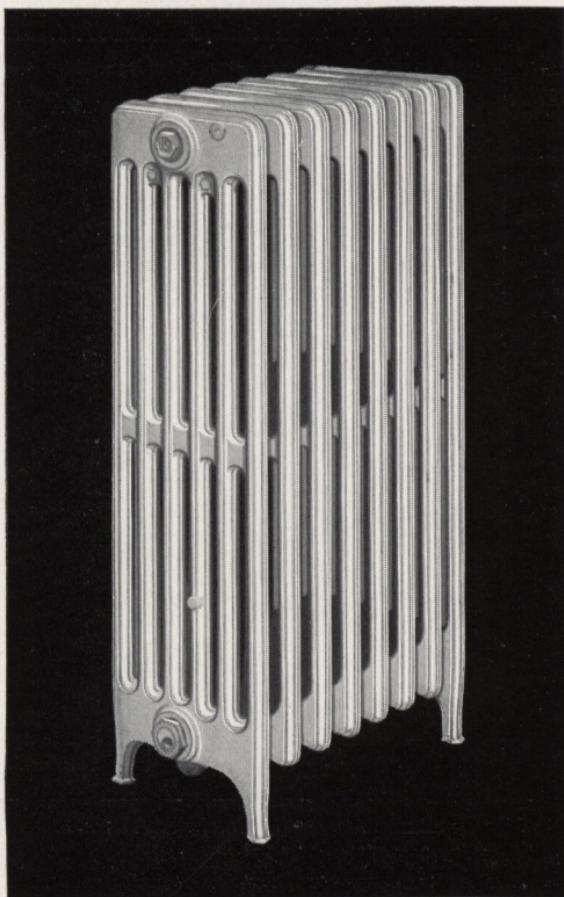
\*Allow  $\frac{1}{2}$  inch for each bushing in estimating length of radiators. Tappings 1  $\frac{1}{2}$  inches, top and bottom, bushed as per list on page 16, unless otherwise specified. Furnished with 6 inch legs on special order, or without legs as illustrated on page 12. Special shapes shown on page 14.



---

CAPITOL SIX TUBE RADIATORS

---



CAPITOL SIX TUBE

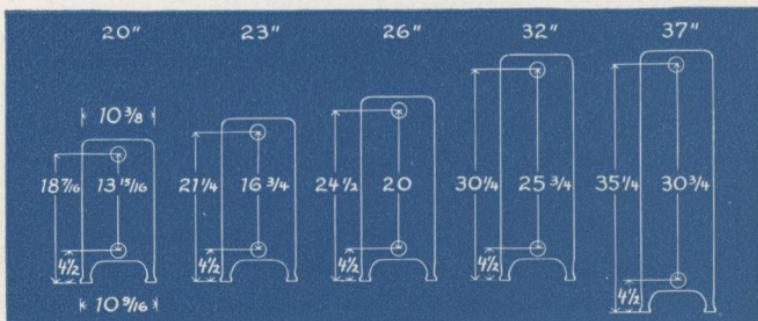
THESE attributes of the Capitol radiator: the clearly defined verticals, the play of lights and shadows on the delicate modeling, the lines of simple grace that somehow express a staunch strength beneath, all set a new standard of radiator beauty. This is maintained even in the six and seven tube patterns which meet the demand for mass radiation.

# CAPITOL SIX TUBE RADIATORS

## FOR STEAM OR WATER

No. of Sec- tions	*Length Inches	HEATING SURFACE—SQUARE FEET				
		37-inch Height 6 Sq. Ft. Per Section	32-inch Height 5 Sq. Ft. Per Section	25-inch Height 4 Sq. Ft. Per Section	23-inch Height 3½ Sq. Ft. Per Section	20-inch Height 3 Sq. Ft. Per Section
2	5	12	10	8	7	6
3	7½	18	15	12	10½	9
4	10	24	20	16	14	12
5	12½	30	25	20	17½	15
6	15	36	30	24	21	18
7	17½	42	35	28	24½	21
8	20	48	40	32	28	24
9	22½	54	45	36	31½	27
10	25	60	50	40	35	30
11	27½	66	55	44	38½	33
12	30	72	60	48	42	36
13	32½	78	65	52	45½	39
14	35	84	70	56	49	42
15	37½	90	75	60	52½	45
16	40	96	80	64	56	48
17	42½	102	85	68	59½	51
18	45	108	90	72	63	54
19	47½	114	95	76	66½	57
20	50	120	100	80	70	60
21	52½	126	105	84	73½	63
22	55	132	110	88	77	66
23	57½	138	115	92	80½	69
24	60	144	120	96	84	72
25	62½	150	125	100	87½	75

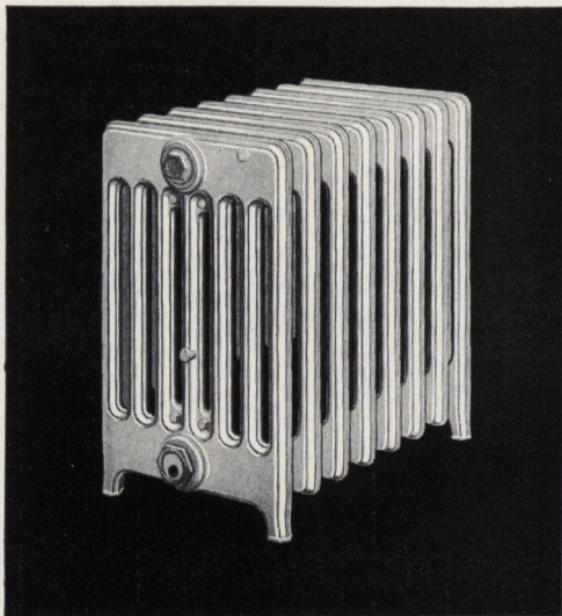
\*Allow  $\frac{1}{2}$  inch for each bushing in estimating length of radiators. Tappings 1½ inches, top and bottom, bushed as per list on page 16, unless otherwise specified. Furnished with 6 inch legs on special order, or without legs as illustrated on page 12. Special shapes shown on page 14.



---

CAPITOL SEVEN TUBE WINDOW RADIATORS

---



CAPITOL SEVEN TUBE

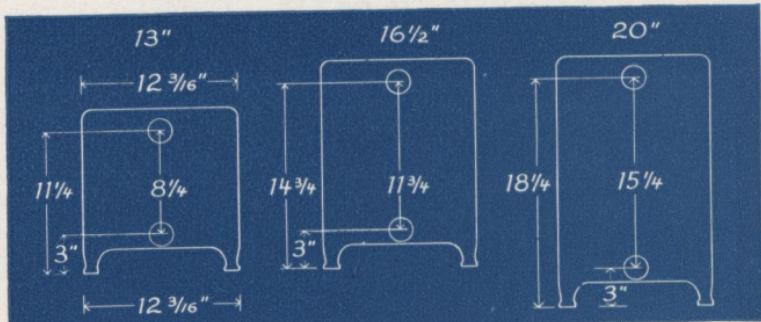
**N**EITHER the slender tube effect nor the grace of the Capitol has been sacrificed in the seven tube model. There is hardly a window sill built too low for the thirteen inch height. The laboratory attests to the exceptionally high efficiency of low radiators and especially of the Capitol seven tube.

# CAPITOL SEVEN TUBE WINDOW RADIATORS

## FOR STEAM OR WATER

No. of Sec- tions	*Length Inches	HEATING SURFACE—SQUARE FEET		
		20-inch Height $4\frac{1}{4}$ Sq. Ft. Per Section	16½-inch Height $3\frac{1}{2}$ Sq. Ft. Per Section	13-inch Height $2\frac{3}{4}$ Sq. Ft. Per Section
2	5	8½	7	5½
3	7½	12¾	10½	8¼
4	10	17	14	11
5	12½	21¼	17½	13¾
6	15	25½	21	16½
7	17½	29¾	24½	19¾
8	20	34	28	22
9	22½	38¾	31½	24¾
10	25	42½	35	27½
11	27½	46¾	38½	30¼
12	30	51	42	33
13	32½	55¾	45½	35¾
14	35	59½	49	38½
15	37½	63¾	52½	41¾
15	40	68	56	44
17	42½	72½	59½	46¾
13	45	76½	63	49½
19	47½	80¾	66½	52½
20	50	85	70	55
21	52½	89¾	73½	57¾
22	55	93½	77	60½
23	57½	97¾	80½	63¾
24	60	102	84	66
25	62½	106¼	87½	68¾

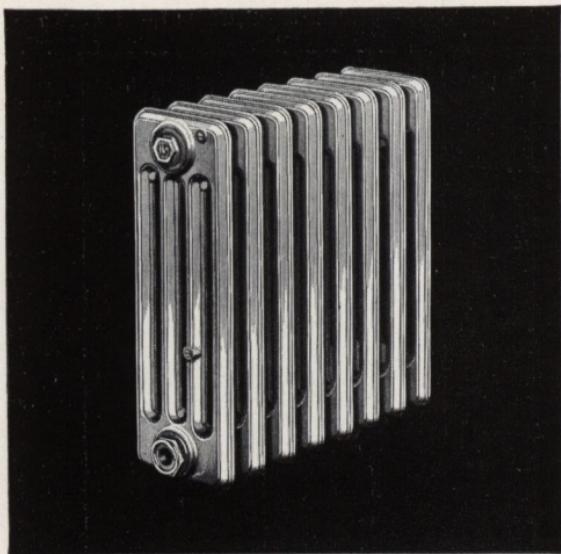
\*Allow  $\frac{1}{2}$  inch for each bushing in estimating length of radiators. Tappings 1½ inches, top and bottom, bushed as per list on page 16, unless otherwise specified. Furnished with 4½ inch legs on special order, or without legs as illustrated on page 12. Special shapes shown on page 14.



---

CAPITOL WALL RADIATORS

---



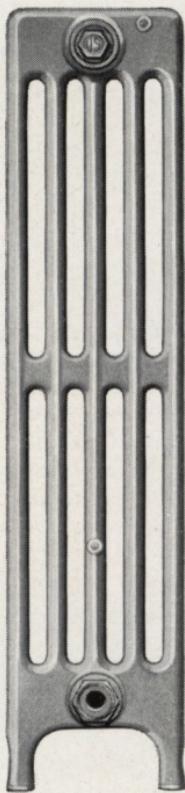
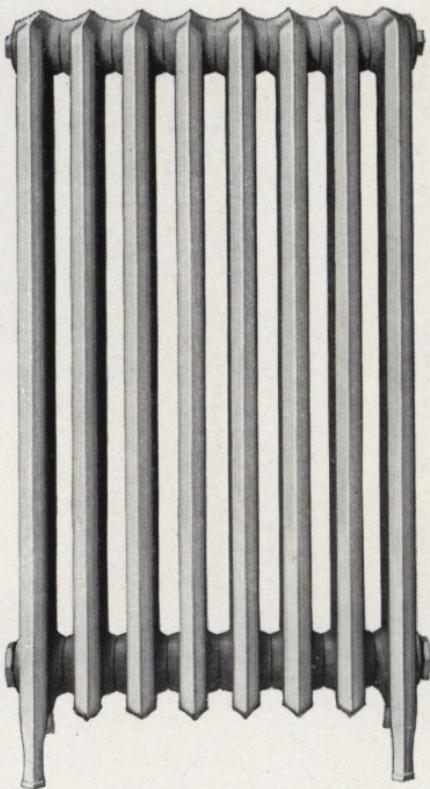
CAPITOL FOUR TUBE  
WALL RADIATOR

THE growing demand for wall radiators is given added impetus by the vogue for fully carpeted floors. The housewife objects to cutting expensive carpeting for fitting it around piping. Besides the four tube illustrated, Capitol three, five, six, and seven tube radiators are supplied without legs. Dimensions, heights, tappings, etc., are the same as for the regular style.

---

CAPITOL HOSPITAL RADIATORS

---



FOR STEAM OR WATER

**E**XTRA large spacing between sections allows the free access for thorough cleaning which is so essential in hospital radiators. Adaptable also for schools and other buildings where easy cleaning is essential.

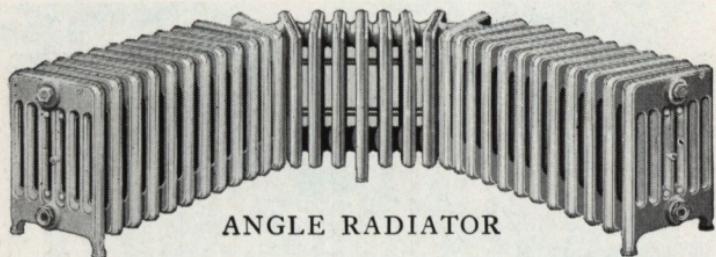
*Capitol Hospital Radiators are supplied in the three and five tube patterns only. Dimensions and heating surfaces are the same as for the regular styles listed on pages 3 and 7.*

*Capitol Hospital Radiators can be furnished on special order with 3" centers at no extra charge.*

---

## CAPITOL CORNER, CURVED, & PANTRY RADIATORS

---



ANGLE RADIATOR

CORNER RADIATOR

Capitol special patterns include corner, curved, two and three angle radiators. Dimensions are the same as for Capitol regular styles. Capitol circular radiators can be furnished on special order, assembled either in one piece or in halves to be assembled on the job. Half circles may also be ordered for installation as two separate radiators.



PANTRY RADIATORS

A great aid in butler's pantries, restaurants and dining rooms. Heats rooms and affords the additional service of plate warming. Made up from seven-foot sections only and may be from one to five sections high. All openings on lower shelf are tapped.

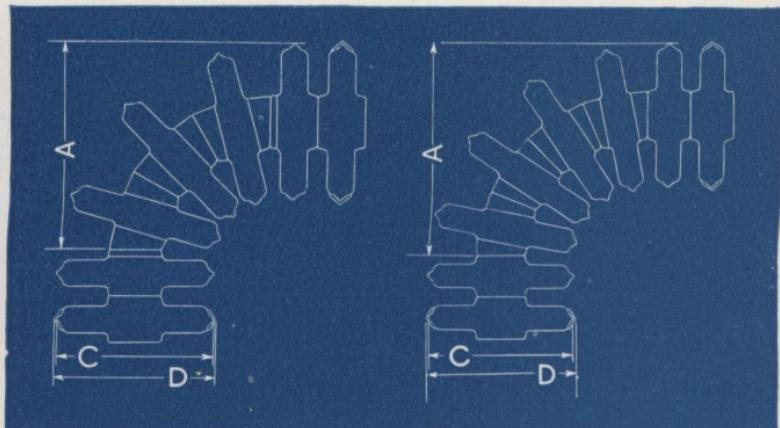
---

Number	Height Inches	Nominal Surface Square Feet
1	7	7
2	17	15
3	27	23
4	37	31
5	47	39

---

Length 24½ inches. Width 13¼ inches.  
Above radiators are tapped 1½ inches.

## CAPITOL CURVED AND CORNER RADIATORS

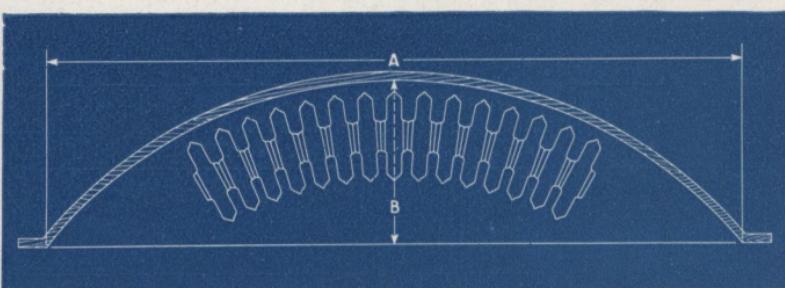


*3 Section Corner Radiator Dimensions*

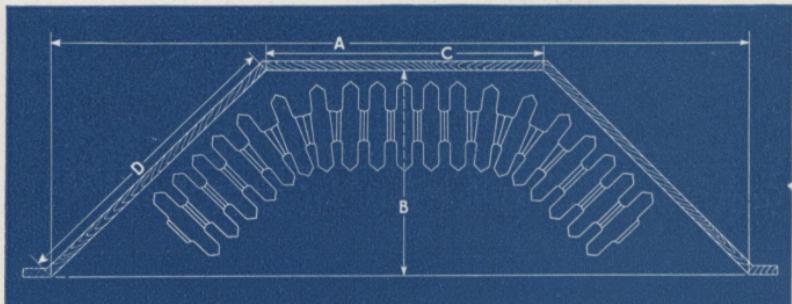
Tube	A	C	D
3 Tube	8 <sup>29</sup> / <sub>32</sub>	4 <sup>15</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>8</sub>
4 Tube	9 <sup>13</sup> / <sub>16</sub>	6 <sup>3</sup> / <sub>4</sub>	6 <sup>15</sup> / <sub>16</sub>
5 Tube	10 <sup>23</sup> / <sub>32</sub>	8 <sup>9</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>4</sub>

*4 Section Corner Radiator Dimensions*

Tube	A	C	D
3 Tube	10 <sup>9</sup> / <sub>32</sub>	4 <sup>15</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>8</sub>
4 Tube	11 <sup>3</sup> / <sub>16</sub>	6 <sup>3</sup> / <sub>4</sub>	6 <sup>15</sup> / <sub>16</sub>
5 Tube	12 <sup>3</sup> / <sub>32</sub>	8 <sup>9</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>4</sub>
6 Tube	14 <sup>27</sup> / <sub>32</sub>	10 <sup>3</sup> / <sub>8</sub>	10 <sup>9</sup> / <sub>16</sub>
7 Tube	15 <sup>3</sup> / <sub>4</sub>	12 <sup>9</sup> / <sub>16</sub>	12 <sup>3</sup> / <sub>16</sub>



*When ordering curved radiators, give measurements A and B*



*When ordering bay window radiators, give measurements A, B, C, and D*

---

## RADIATOR TAPPING LIST

---

**A**LL Capitol radiators are tapped one and one-half inches at top and bottom, both ends. Tappings are bushed as per list below, unless otherwise ordered.

All wall radiators are tapped one and one-half inches.

All Capitol Radiators have right-hand threads at both supply and return, and all Triton Wall Radiators have right-hand threads at one end, and left-hand threads at the other end.

All Air Valve tappings are  $\frac{1}{8}$  inch. When radiators are ordered for special systems, such as vapor or vacuum, specific instructions should be given as to the method of tapping for supply, return, and vent.

### STEAM ONE-PIPE WORK

---

Radiators containing 24 square feet and under.....	1 inch
Above 24, but not exceeding 60 square feet.....	$1\frac{1}{4}$ inch
Above 60 square feet.....	$1\frac{1}{2}$ inch

---

### TWO-PIPE WORK

---

Radiators containing 48 square feet and under.....	$1 \times \frac{3}{4}$ inch
Above 48, but not exceeding 96 square feet.....	$1\frac{1}{4} \times 1$ inch
Above 96 square feet.....	$1\frac{1}{2} \times 1\frac{1}{4}$ inch

---

### WATER *Tapped for Supply and Return*

---

Radiators containing 40 square feet and under.....	1 inch
Above 40, but not exceeding 72 square feet.....	$1\frac{1}{4}$ inch
Above 72 square feet.....	$1\frac{1}{2}$ inch

---

---

## RADIATOR LEGS, FEET, AND PEDESTALS

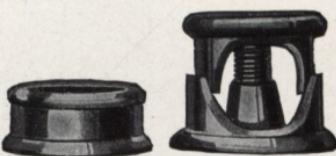
---

### CENTER LEGS

For all radiation: No center legs will be assembled in radiators up to and including 25 sections. Radiators from 26 to 49 sections inclusive have one center leg. Radiators from 50 to 73 sections inclusive have two center legs. Beyond 73 sections, three center legs will be used.

### ADJUSTABLE FEET

Consist of two iron blocks that open by turning the top piece which is so cast that any radiator foot will fit securely. Adjustment can be made with the screw, which holds the two pieces in place. They can be used on any kind of fixture that must stand level. Furnished in plain iron and can be bronzed or painted to correspond to fixture upon them.



No. 1 extends  $\frac{7}{8}$  to  $1\frac{1}{4}$  inches.

No. 2 extends  $1\frac{1}{4}$  to  $1\frac{3}{4}$  inches.

No. 3 extends  $1\frac{1}{2}$  to  $2\frac{1}{2}$  inches.

No. 4 extends 2 to 3 inches.

No. 5 extends 3 to 4 inches.

No. 6 extends 4 to 5 inches.



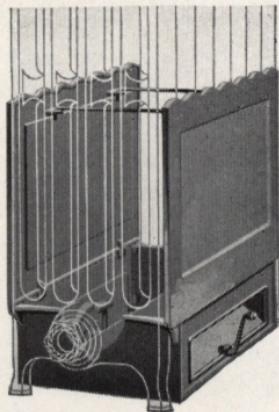
### PEDESTALS

Solid cast-iron pedestals can be furnished for placing under legs of all styles of our radiators and are made in the following heights:  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3,  $3\frac{1}{2}$ , 4,  $4\frac{1}{2}$ , 5,  $5\frac{1}{2}$ , and 6 inches.

---

## CAPITOL DIRECT-INDIRECT BOX BASE

---



MADE for five tube Capitol radiators. When front damper is opened the back automatically closes, admitting air from the room only. When the back damper is opened the front closes, taking air from outdoors. Can be changed from back inlet to bottom inlet by setting both dampers to operate together. Front and back curtains can be removed for cleaning.

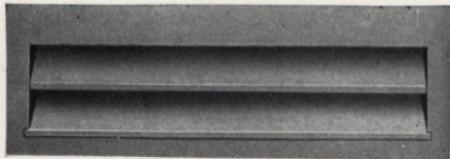
A 15-section Base is used on radiators of 15 sections or odd numbers above 15; and a 14-section Base is used on radiators of 14 sections or even numbers above 14.

When ordering Direct-Indirect radiators, specify sections under which the box base is to be installed, in order that center legs can be arranged accordingly.

---

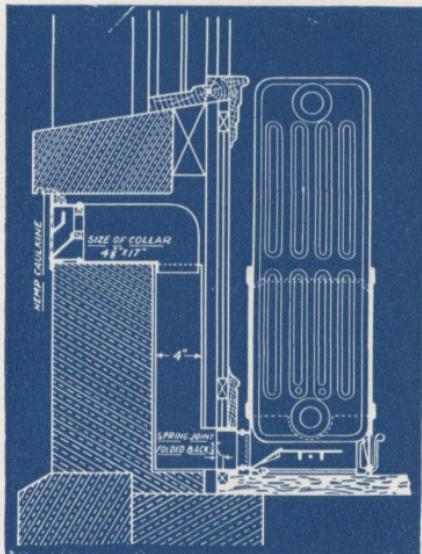
## CAPITOL DIRECT-INDIRECT BOX BASE

---



### WALL BOXES

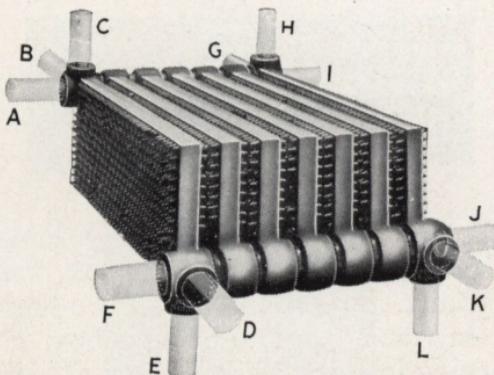
Water-tight and durable, with heavy copper screen firmly held in position at back of box, keeping out insects and dirt. The main part of the box is of one piece. From front flange to back of box,  $2\frac{1}{2}$  inches; size of opening in brick work,  $17\frac{1}{4} \times 5\frac{1}{8}$  inches; size for galvanized iron,  $17 \times 4\frac{7}{8}$  inches. For application and data see below.



No. of Sec.	Back Opening 5 Tube	Maximum Bottom Opening 5 Tube	No. of Sec.	Back Opening 5 Tube	Maximum Bottom Opening 5 Tube
5	$2\frac{11}{16} \times 5\frac{3}{16}$	$8 \times 5\frac{1}{2}$	10	$2\frac{11}{16} \times 17\frac{17}{16}$	$8 \times 18$
6	$2\frac{11}{16} \times 7\frac{11}{16}$	$8 \times 8$	11	$2\frac{11}{16} \times 20\frac{5}{16}$	$8 \times 20\frac{1}{2}$
7	$2\frac{11}{16} \times 10\frac{3}{16}$	$8 \times 10\frac{1}{2}$	12	$2\frac{11}{16} \times 22\frac{11}{16}$	$8 \times 23$
8	$2\frac{11}{16} \times 12\frac{11}{16}$	$8 \times 13$	13	$2\frac{11}{16} \times 25\frac{3}{16}$	$8 \times 25\frac{1}{2}$
9	$2\frac{11}{16} \times 15\frac{5}{16}$	$8 \times 15\frac{1}{2}$	14	$2\frac{11}{16} \times 27\frac{11}{16}$	$8 \times 28$
			15	$2\frac{11}{16} \times 30\frac{2}{16}$	$8 \times 30\frac{1}{2}$

Height of back air-inlet above floor  $3\frac{1}{8}$  inches.

## PIN INDIRECT RADIATORS



### 10 SQUARE FEET PER SECTION

Length of Section, Inches	Depth of Section, Inches	Depth Over All, Inches	Center to Center between Sections, Inches	Free Air Space between Sections, Sq.Ft.
36 $\frac{1}{4}$	7 $\frac{3}{4}$	8 $\frac{5}{8}$	3	.2703

Maximum tappings 1  $\frac{1}{2}$ " at A, F, I, and J and 1  $\frac{1}{4}$ " at B, C, D, E, G, H, K, and L.

### 15 SQUARE FEET PER SECTION

36 $\frac{5}{8}$	10 $\frac{5}{8}$	11 $\frac{5}{8}$	3	.2236
Maximum tappings 2" at A, F, I, and J and 1 $\frac{1}{2}$ " at B, C, D, E, G, H, K, and L.				

### 20 SQUARE FEET PER SECTION

36	14	14 $\frac{1}{4}$	3 $\frac{1}{2}$	.3494
Maximum tappings 2" at all openings.				

Tappings on Indirect Radiators can be made at A, B, C, D, E, F, G, H, I, J, K, or L, but unless otherwise ordered they will be tapped at A and F, as follows:

Pin 10-ft. section, 1  $\frac{1}{2}$  in.; pin 15 and 20-ft. 2 in.; bushed as desired.

All pin Indirect sections are regularly connected with extra heavy malleable iron push nipples but on special order extra heavy right and left hand screw nipples having hexagon nut at center can be furnished.

Sections are assembled at factory and shipped complete, unless especially ordered otherwise. Thus the radiators can be thoroughly tested to prevent leaky joints and much of fitter's time in setting is saved.

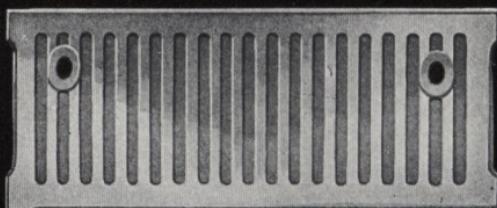
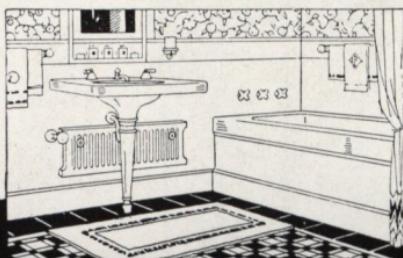
When specially ordering sections shipped unassembled with bolts and nipples for putting together, always specify the number of stacks and number of sections in each stack, that the proper bolts may be sent.

See Engineering Data Catalogue for data on indirect radiators.

---

## TRITON BATHROOM WALL RADIATOR

---



## TRITON BATHROOM WALL RADIATOR

FITS under the lavatory, saving valuable space in modern bathrooms of limited dimensions. Attached with plain lag screws or hooks. Can be supplied in a new enamel finish, as immaculately white as the bathroom fixtures, that will neither chip, check, nor discolor.

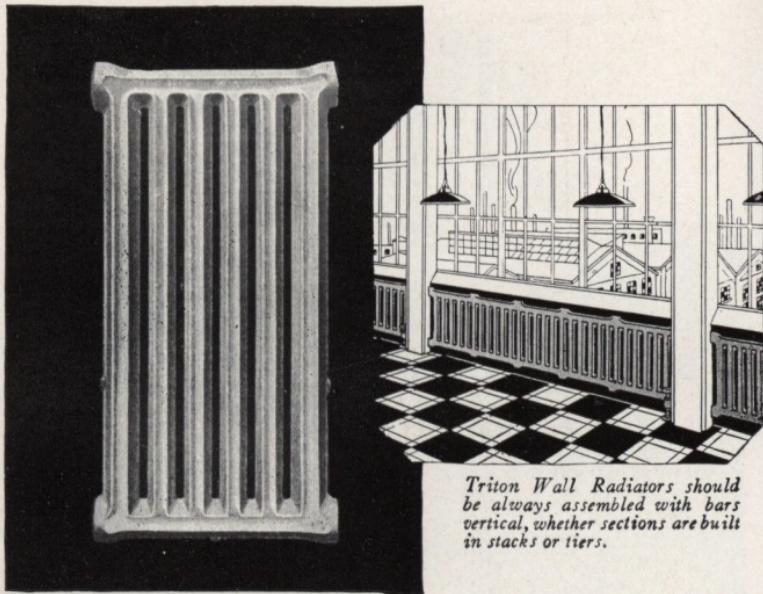
Number	Height Inches	Length Inches	Thickness Inches	Nominal Surface Sq. Ft.	Center to Center Bolt Holes Inches
3A	8	16½	1½	3	11½
3½A	8	20½	1½	3½	15½

Above radiators tapped  $\frac{1}{2}$  inch.

---

TRITON WALL RADIATORS

---



*Triton Wall Radiators should  
be always assembled with bars  
vertical, whether sections are built  
in stacks or tiers.*

No. 9-B for side to side assembly

FOR factories, storage houses, corridors, stairways, lobbies, and wherever the utmost radiating surface is needed in limited space, Triton Wall Radiators are unexcelled.

The wide variety of sizes adaptable to either tier or stack arrangement permits adapting their installation to any wall space available.

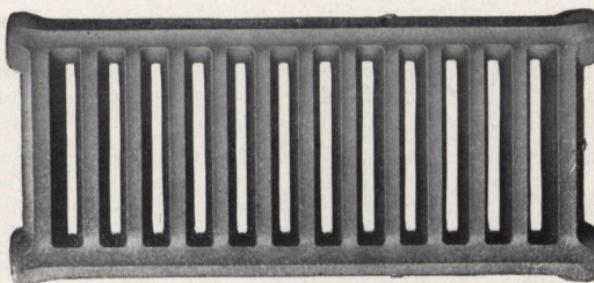
Sections may be added at any time should the building be enlarged. Steam or water may be confined to any number of the units during mild weather, assuring uniform temperatures with maximum economy. Condensed steam or exhaust steam often available in industrial installations may be utilized with the greatest efficiency.

No wall radiators are built that are more efficient, adaptable, or durable.

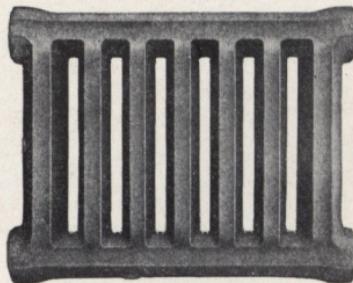
---

## TRITON WALL RADIATORS

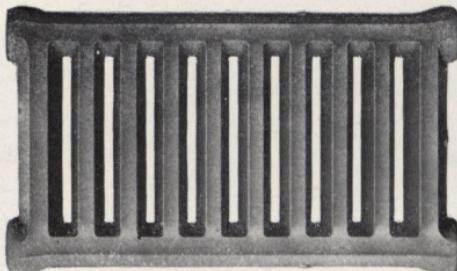
---



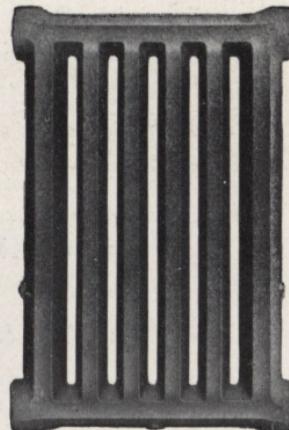
No. 9-A for end to end assembly



No. 5-A for end to end assembly



No. 7-A for end to end assembly



No. 7-B for side by  
side assembly

Section Numbers	Height Inches	Length or Width Inches	Thickness Inches	Thickness With Brkts. Inches	Heating Surface Sq. Ft.
5A	14 $\frac{1}{8}$	16 $\frac{1}{2}$	3	3 $\frac{1}{2}$	5
7A	14 $\frac{1}{8}$	22 $\frac{7}{8}$	3	3 $\frac{1}{2}$	7
9A	14 $\frac{1}{8}$	29 $\frac{1}{4}$	3	3 $\frac{1}{2}$	9
7B	22 $\frac{7}{8}$	14 $\frac{1}{8}$	3	3 $\frac{1}{2}$	7
9B	29 $\frac{1}{4}$	14 $\frac{1}{8}$	3	3 $\frac{1}{2}$	9

Above radiators are tapped 1  $\frac{1}{2}$  inches

---

## TRITON WALL RADIATORS

---

**I**N ordering, state the size and number of sections to each radiator, give the assembly figure number and state the number of "Tiers" high or "Stacks" wide, as the case may be. State also the size and location of tappings desired, using the tapping numbers shown on figure for this purpose.

Sections are assembled for shipment only in single tiers or single stacks. Where figures show double tiers or double stacks it is to be understood that the figures will be shipped disconnected at the hexagon nipples. Note that when sections, regardless of type, are assembled side to side, the maximum number of sections which will be shipped assembled is, for each size:—

5 ft.—5 sections	9 ft.—5 sections
7 ft.—5 sections	See Figures 9-11-13-15-2-6

And when assembled end to end the maximum number of sections which will be shipped assembled is, for each size:—

5 ft.—5 sections	9 ft.—3 sections
7 ft.—4 sections	See Figures 1-3-5-7-15-8-10-12

The regular tappings as shown on the various assembly figures are indicated by 2, 3, 4, 5, 6, 7, 8 and 9. 12, 13, 14, 15, 16, 17, 18, 19 indicate special tappings which can be furnished at points so marked if required and for which an extra charge of 10 cents each, net, will be made.

Numbers 2, 9, 3, 4, and 12, 19, 13, 14 are left hand tappings.

Numbers 5, 6, 7, 8, and 15, 16, 17, 18 are right hand tappings.

Tappings are  $1\frac{1}{2}$ " supply and return and are bushed as per list on page 16.

### CRATING

Units of Triton Wall Radiators are crated as follows:

#### 9 FOOT HORIZONTAL

When assembled as per Figure No. 1—3 sections and over  
When assembled as per Figure No. 9—5 sections and over

#### 7 FOOT HORIZONTAL

When assembled as per Figure No. 1—4 sections and over  
When assembled as per Figure No. 9—5 sections and over

#### 7 FOOT VERTICAL

When assembled as per Figure No. 2—5 sections and over  
When assembled as per Figure No. 8—4 sections and over

#### 9 FOOT VERTICAL

When assembled as per Figure No. 2—5 sections and over  
When assembled as per Figure No. 8—3 sections and over

#### 5 FOOT VERTICAL

All assembly of 5 sections and over

# TRITON WALL RADIATORS

TABLE SHOWING LENGTH AND HEATING SURFACE OF TRITON WALL RADIATORS

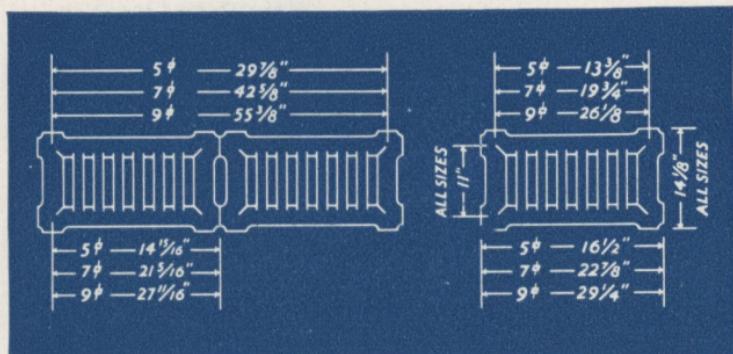
No. of Sections	*LENGTH OF SECTIONS ONLY				HEATING SURFACE SQ. FT.		
	Type 5-A Ft. In.	Type 7-A Ft. In.	Type 9-A Ft. In.	Type 7-B and 9-B Ft. In.	Type 5-A	Type 7-B	Type 9-A and Type 9-B
1	1—4½	1—10½	2—5½	1—2½	5	7	9
2	2—9	3—9¾	4—10½	2—4½	10	14	18
3	4—1½	5—8½	7—3¾	2—6¾	15	21	27
4	6—10½	7—7½	9—9	4—8½	20	28	36
5	8—3	9—6½	11—5½	5—10½	25	35	45
6	9—7½	13—4½	14—7½	7—8½	30	42	54
7	11—0	15—3	17—3½	8—2½	35	49	63
8	12—4½	15—1½	19—6	9—5	40	56	72
9	13—9	17—1½	21—11½	11—7½	45	63	81
10	15—1½	19—3½	24—4½	11—9½	50	70	90
11	16—6	20—11½	26—9¾	12—11½	55	77	99
12	17—10½	22—10½	29—3	14—1½	60	84	108
13	19—3	24—9¾	31—8½	15—3½	65	91	117
14	20—7½	26—8½	34—1½	16—5½	70	98	126
15	22—0	28—7½	36—6¾	17—7½	75	105	135
16	23—4½	30—6	39—0	18—10½	80	112	144
17	24—9	32—4½	41—5½	20—1½	85	119	153
18	26—1½	34—3¾	43—10½	21—2½	90	126	162
19	27—6	36—2½	46—3¾	22—4½	95	133	171
20	28—10½	38—1½	48—9	23—6½	100	140	180
21	30—3	40—3½	51—2½	24—8½	105	147	189
22	31—7½	41—1½	53—7½	25—10½	110	154	198
23	33—0	43—10½	56—3½	27—7½	115	161	207
24	34—4½	45—9	58—6	28—3	120	168	216
25	35—9	47—7½	60—11½	29—5½	125	175	225
26		49—6¾	63—4½	30—7½	130	182	234

\*Add ½" for each Bushing. Add 1½" for each Hexagon Nipple. For Number of Hexagon Nipples and location in each assembly, see Chart

Page 33.

See Triton "Wall Radiators" Page 24.

## WALL RADIATOR ASSEMBLY



*Above measurements apply to A or B styles.*

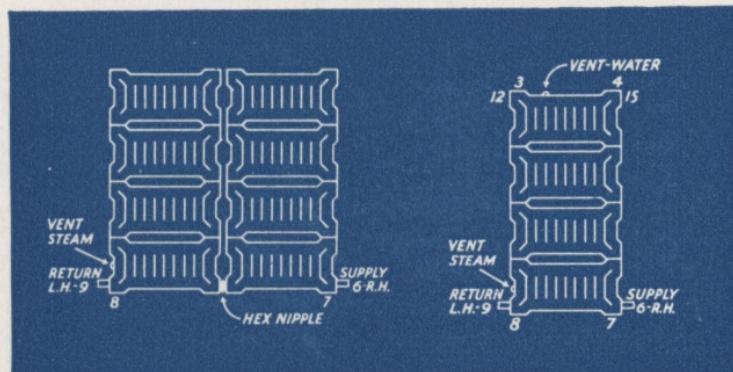


Fig. 13. Assembled in two or more stacks.  
One and two pipe steam only. Bottom feed.

Fig. 9. Assembled in single stack.  
Water or one and two pipe steam.

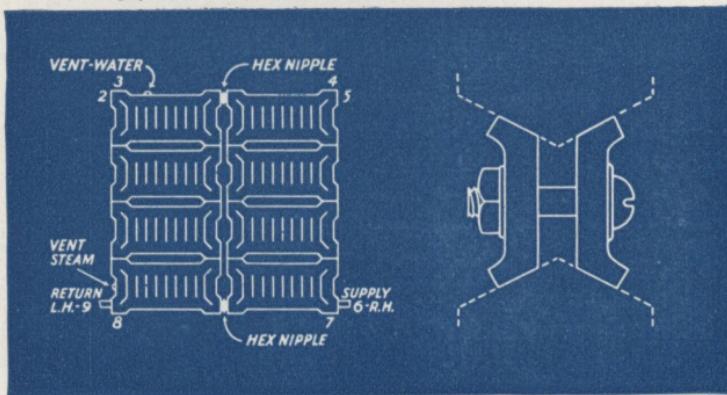


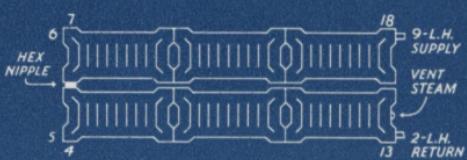
Fig. 11. Assembled in two or more stacks.  
Water or steam.

Adjustable Spacing Saddle.  
Furnished between sections. See figures  
17, 16, and 18 on pages 27 and 29.

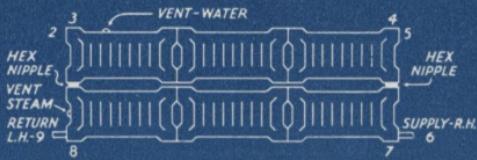
## WALL RADIATOR ASSEMBLY



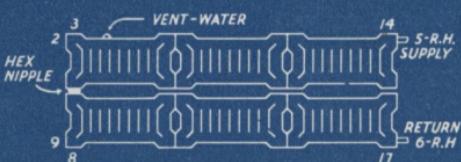
*Fig. 1. Assembled in single tier. Water or one and two pipe steam.*



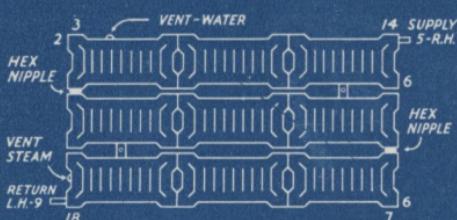
*Fig. 7. Assembled in two tiers. Two pipe steam only.*



*Fig. 3. Assembled in two or more tiers. Water or steam.*

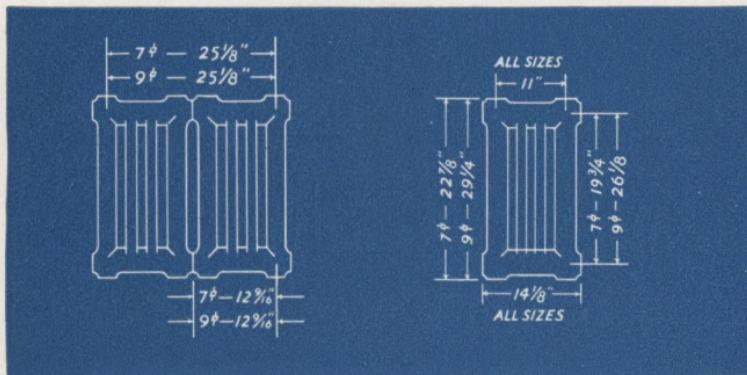


*Fig. 5. Assembled in two tiers. Water only.*

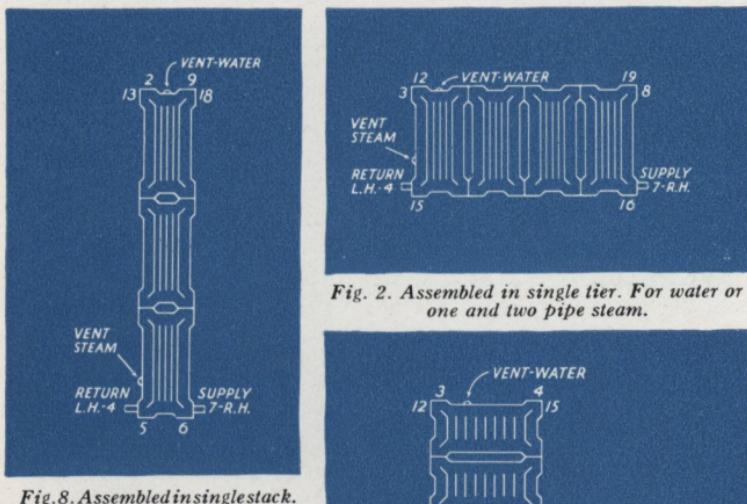


*Fig. 17. Assembled nine sections in three tiers. Using adjustable spacing saddle.*

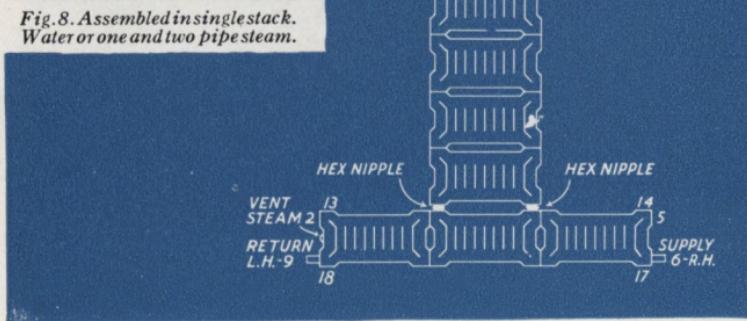
## WALL RADIATOR ASSEMBLY



*Above measurements apply to A or B styles.*

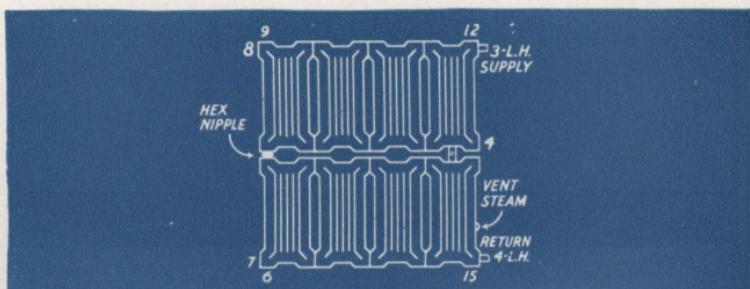


*Fig. 2. Assembled in single tier. For water or one and two pipe steam.*

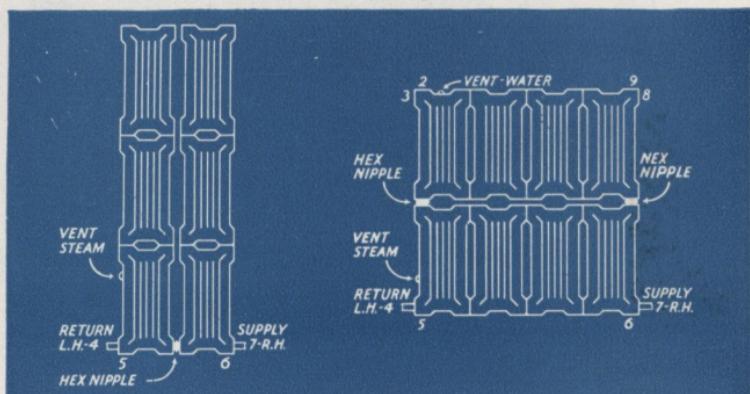


*Fig. 15. Assembled in single tier and single stack. Water or one or two pipe steam.*

## WALL RADIATOR ASSEMBLY

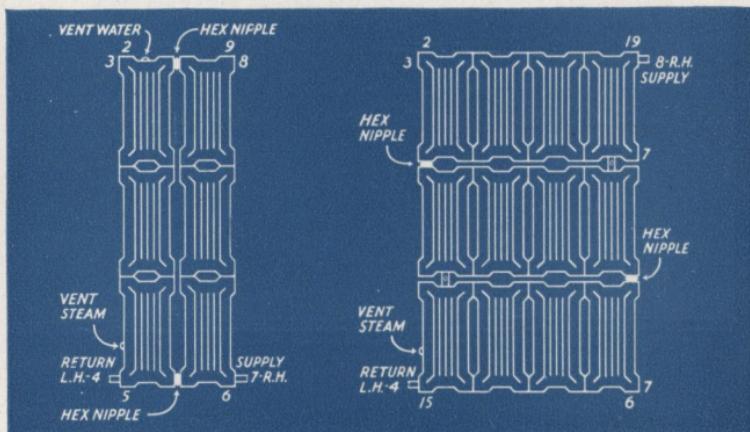


*Fig. 16. Assembled in eight sections in two tiers. For two pipe steam using adjustable spacing saddle.*



*Fig. 12. Assembled in two or more stacks. Fig. 6. Assembled in two or more tiers. One and two pipe steam only. Bottom feed.*

*Fig. 6. Assembled in two or more tiers. Water or steam.*



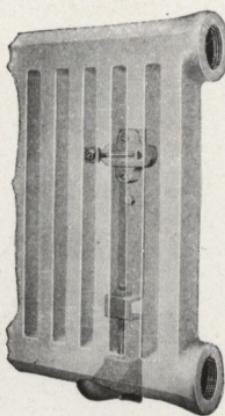
*Fig. 10. Assembled in two or more stacks. Water or steam.*

*Fig. 18. Assembled in twelve sections in three tiers. Using adjustable spacing saddle.*

---

## TRITON ADJUSTABLE WALL BRACKETS

---



"N"

"O"  
Horizontal

"O"  
Vertical

### ADJUSTABLE FOR PITCH AFTER RADIATOR IS ERECTED

Triton Adjustable Brackets are made to support wall radiators in large or small tiers or stacks in buildings of any character where wall radiation is installed.

They are strong and substantial, and hold radiators securely in place. They are adjusted after attachment to walls by a single expansion bolt.

Triton Adjustable Brackets are made in two styles.

"N" Brackets can be screwed to the wall to support any arrangement of wall radiation.

"O" Bracket, with bearing plate, is attached to wall with  $\frac{1}{2}$ " Expansion Bolts, materially reducing the cost of construction and guaranteeing a safe and secure attachment.

Vertical movement of the seat of "N" and "O" Bracket is 2", permitting adjustment for pitch after radiators are erected. The brackets set the outer face of the radiator  $4\frac{7}{8}$ " from the wall.

Screw sizes suitable for use on "N" Bracket:

Top Bracket—Size of hole,  $\frac{1}{4}$ "—Use No. 14 Wood Screw.

Bottom Bracket—Size of hole,  $\frac{9}{16}$ "—Use  $\frac{1}{2}$ " Lag Screw.

"N" Brackets mounted on steel plates.

Top Bracket,  $\frac{3}{8}$ "—Flat Head Machine Screw to fasten to plate.

Bottom Hole,  $\frac{9}{16}$ "—For  $\frac{1}{2}$ " Lag Screw to wall.

Bottom Bracket,  $\frac{3}{8}$ "—Machine Screw to fasten to plate.

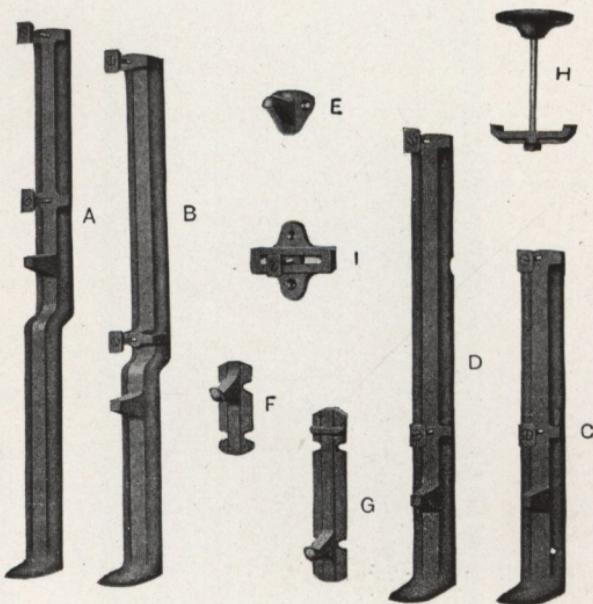
Bottom Hole—For  $\frac{1}{2}$ " Lag Screw to fasten to wall.

For additional measurements and chart showing number and location of brackets on assemblages, see pages 32-33.

---

## WALL RADIATOR BRACKETS

---



Brackets "B" to fit over a 9½-inch high baseboard for supporting wall radiators Nos. 7-B and 9-B.

### HEIGHT FROM FLOOR TO CENTER OF TAPPING

No. B 5½ from floor to center.....	5½"
No. B 7½ from floor to center.....	7½"
No. B 9½ from floor to center.....	9½"

Brackets "D" are straight right angle brackets without offset for supporting Nos. 7-B and 9-B. Distance from floor to center of tapping, 5½ inches.

Brackets "A" to fit over baseboard for supporting Nos. 5A, 7A and 9A.

### HEIGHT FROM FLOOR TO CENTER OF TAPPING

No. A 6 will fit over baseboard.....	1½"	6"
No. A 8 will fit over baseboard.....	3½"	8"
No. A 10 will fit over baseboard.....	5½"	10"
No. A 12 will fit over baseboard.....	7½"	12"
No. A 14 will fit over baseboard.....	9½"	14"
No. A 16 will fit over baseboard.....	11½"	16"

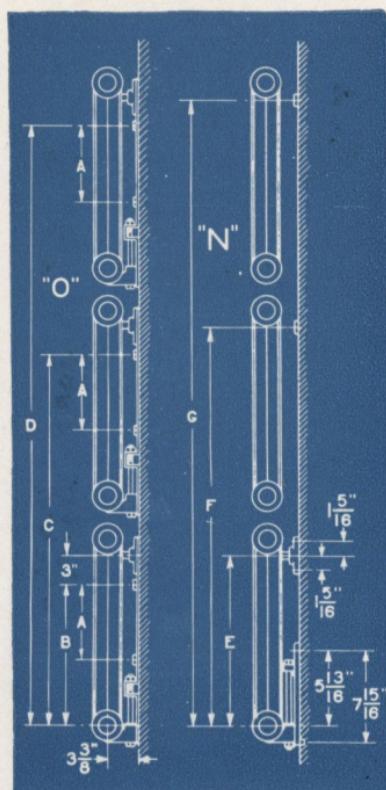
Brackets "C" are straight right angle brackets without offset, for supporting Nos. 5A, 7A and 9A. Distance from floor to center of tapping, 5½ inches.

Brackets "F," "G," "E," and "I" are screwed to wall, baseboard and wainscoting. "F" and "G" are bottom supports for all sizes; "E" and "I" top guides to hold radiator in place should always be used with "F" and "G" brackets. "F" and "G" brackets are slotted for four wood screws not furnished by us, and "E" and "I" are for two wood screws.

Ceiling brackets "H" for supporting radiator from ceilings, made of cast plate 3½ inches in diameter to be screwed to ceiling joist by four screws. Bolt furnished gives a distance of from 3½ to 5 inches from bottom of radiator to ceiling. Other lengths on special order.

With brackets "A," "B," "D," and "C" we furnish two  $\frac{1}{4}$  x  $2\frac{3}{4}$  F. H. stove bolts with button, and with bracket "I" one  $2\frac{1}{4}$  stove bolt with button.

## APPLICATION OF RADIATOR BRACKETS



**Triton Adjustable Brackets  
for Wall Radiation**

### “O” TYPE DIMENSIONS

Kind of Section	A	B	C	D
All Horizontal.....	0	6 15/16"	20 13/16"	34 11/16"
9' Vertical.....	8 1/16"	15"	44 1/4"	73 1/2"
7' Vertical.....	8 1/16"	15"	37 5/8"	60 3/4"

### “N” TYPE DIMENSIONS

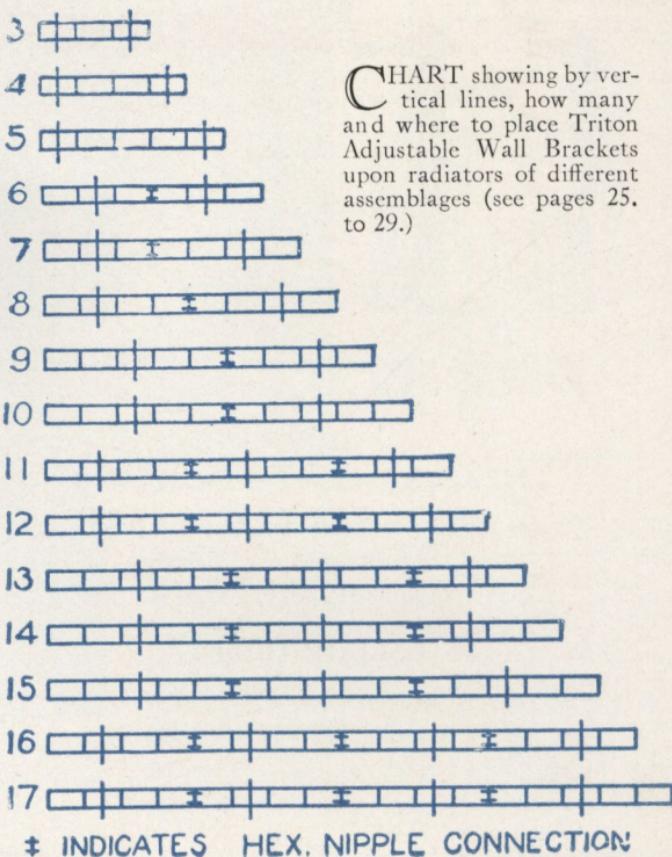
Kind of Section	E	F	G
All Horizontal.....	9 1/2"	23 3/8"	37 1/4"
9' Vertical.....	24 3/8"	53 5/8"	82 5/8"
7' Vertical.....	18"	40 7/8"	63 3/4"

Adjustments one inch either way from position shown.

---

## TRITON ADJUSTABLE WALL BRACKETS

---



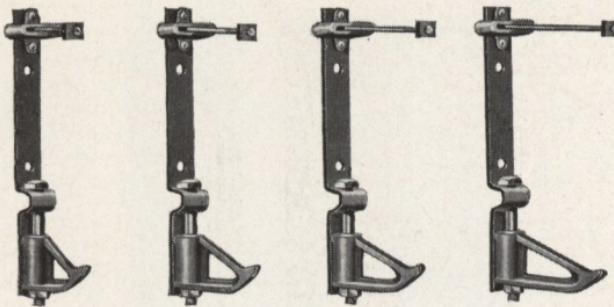
For longer assemblage combine the above figures as follows:

18.....	10+8	22.....	12+10	27.....	12+15
19.....	10+9	23.....	10+13	28.....	15+13
20.....	10+10	24.....	15+9	29.....	15+14
21.....	12+9	25.....	15+10	30.....	15+15
		26.....	12+14		

---

## CAPITOL RADIATOR BRACKET

---



*Adjustable, concealed; made to support 3, 4, 5, and 6 tube Capitol wall-hung radiators.*

### MEASUREMENTS OF CAPITOL RADIATOR BRACKETS

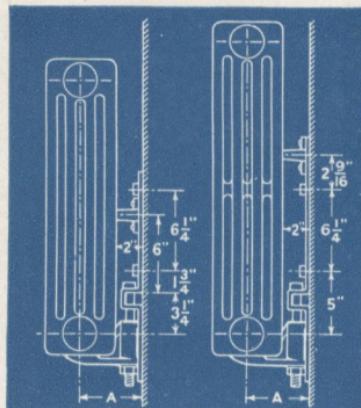
Wall to center of tappings

Dimension "A" in blueprint

### ALL HEIGHTS

3 tube.....	4 $\frac{1}{2}$ inches
4 tube.....	5 $\frac{13}{32}$ inches
5 tube.....	6 $\frac{5}{16}$ inches
6 tube.....	7 $\frac{7}{32}$ inches

*For radiators  
20 and 23  
inches high.*

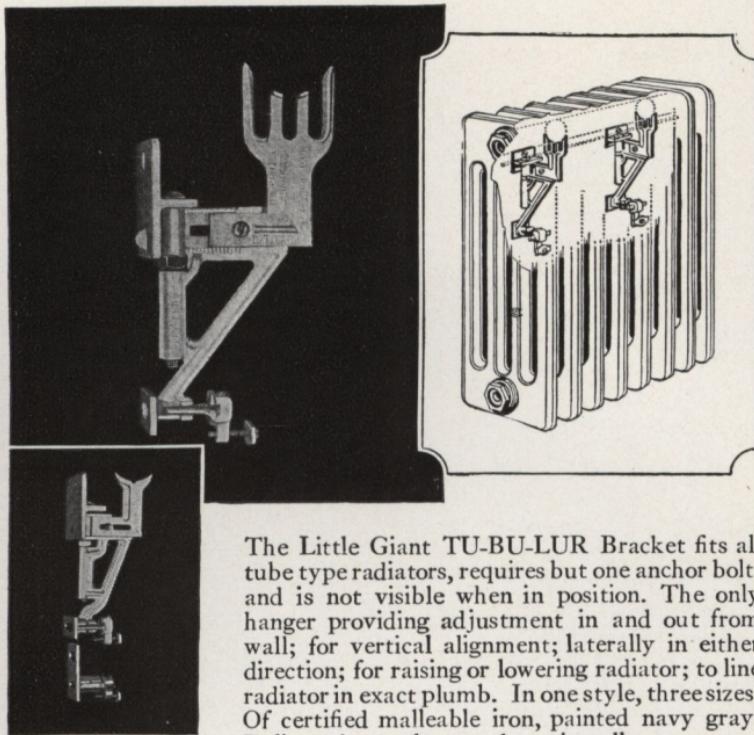


*For radiators  
26 inches high  
and more*

---

## NEW TU-BU-LUR RADIATOR HANGER

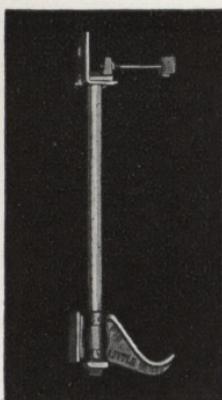
---



TU-BU-LUR Wall  
Hanger for wall radi-  
ators, with adjustable  
spacer.

The Little Giant TU-BU-LUR Bracket fits all tube type radiators, requires but one anchor bolt, and is not visible when in position. The only hanger providing adjustment in and out from wall; for vertical alignment; laterally in either direction; for raising or lowering radiator; to line radiator in exact plumb. In one style, three sizes. Of certified malleable iron, painted navy gray. Delivered complete ready to install.

TU-BU-LUR No. 1 for 3, 4 & 5 Tube Radiators.	\$1.35
TU-BU-LUR No. 2 for 5, 6 & 7 Tube Radiators.	1.50
TU-BU-LUR No. 3 for Wall Radiators . . . . .	1.35



Style L holds radiator  $1\frac{3}{8}$   
inches from wall.

### LITTLE GIANT BOTTOM HUNG HANGERS

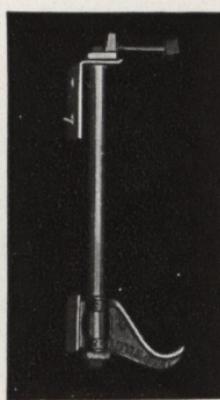
One bolt, two adjustment

Style L for Wall Radi- ation and for 3 to 6 tube Radiators . . . . .	\$0.85
--	--------

Style L for Double Wall and for 7 tube Radi- ators . . . . .	\$1.35
--	--------

Style P for Wall Radi- ation and for 3 to 6 tube Radiators . . . . .	\$1.15
--	--------

Style P for Double Wall and for 7 tube Radi- ators . . . . .	\$1.35
--	--------



Style P holds radiator  $2\frac{1}{4}$   
inches from wall.

# *UNITED STATES RADIATOR CORPORATION*

GENERAL OFFICES: DETROIT, MICHIGAN

## BRANCH AND SALES OFFICES

*ATLANTA . . . . .	764 Ponce De Leon Place, N. E.
*BALTIMORE . . . . .	1147 Wicomico St.
*BIRMINGHAM, ALA. . . . .	1430 Second Ave., South
*BOSTON . . . . .	260 Tremont St.
BUFFALO . . . . .	303 Crosby Bldg.
*CAMBRIDGE, MASS. . . . .	233 Vassar St.
*CHICAGO . . . . .	1401 Builders Building
*CINCINNATI . . . . .	Exeter St. and McLean Ave.
*CLEVELAND . . . . .	2294 Scranton Road
*COLUMBUS . . . . .	478 Neilston St.
*DAVENPORT . . . . .	1803 Rockingham Road
*DENVER . . . . .	2439 Blake St.
*DES MOINES . . . . .	400 Southwest Ninth St.
DETROIT . . . . .	517 Dime Savings Bank Bldg.
*HARRISON, N. J. . . . .	Davis and Central Aves.
*INDIANAPOLIS . . . . .	908 North Senate Ave.
*KANSAS CITY . . . . .	1405 W. Eleventh St.
*LOS ANGELES . . . . .	2120 E. 25th St.
*LOUISVILLE . . . . .	1631 West High St.
*MASPETH, L. I., N. Y. . . . .	Grand Ave. and Creek St.
*MILWAUKEE . . . . .	168 Corcoran Ave.
*NEW HAVEN . . . . .	Railroad Ave. and New St.
*NEW ROCHELLE, N. Y. . . . .	Avenue E
NEW YORK . . . . .	301-303 Architects Bldg.
*OMAHA . . . . .	1017 North 21st St.
*PHILADELPHIA . . . . .	22nd St. and Sedgley Ave.
*PITTSBURGH . . . . .	941 Behan St., N. S.
*PORTLAND, ME. . . . .	2-4 Martyr St.
*PORTLAND, Ore. . . . .	16th St., North and Thurman St.
*PROVIDENCE . . . . .	Allen's Ave., Foot of Oxford St.
*READING, PA. . . . .	Mifflin and Chestnut Sts.
*ROCHESTER . . . . .	64 Chester St.
*ST. LOUIS . . . . .	4004 Duncan Ave.
*ST. PAUL . . . . .	688 Hampden Ave.
*SAN FRANCISCO . . . . .	640 Second St.
*SEATTLE . . . . .	1248 First Ave., South
*SPRINGFIELD, MASS. . . . .	North Main St.
*TROY . . . . .	Center St., Green Island, N. Y.
WASHINGTON, D. C. . . . .	410 Bond Bldg.

\*Assembly Plants located at points indicated by star.

Manufacturing Plants located in the following cities: Bristol, Pa.—Corry, Pa.—Detroit, Mich.—Dunkirk, N. Y.—Edwardsville, Ill.—Geneva, N. Y.—Waukegan, Ill.—West Newton, Pa.

*UNITED STATES RADIATOR CORPORATION*

GENERAL OFFICES: DETROIT, MICHIGAN

BRANCH AND SALES OFFICES

Digitized by



ASSOCIATION  
FOR  
PRESERVATION  
TECHNOLOGY,  
INTERNATIONAL

[www.apti.org](http://www.apti.org)

BUILDING  
TECHNOLOGY  
HERITAGE  
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

**Mike Jackson, FAIA**

\*Assembly Plants located at points indicated by star.

Manufacturing Plants located in the following cities: Bristol, Pa.  
—Corry, Pa.—Detroit, Mich.—Dunkirk, N. Y.—Edwardsville,  
Ill.—Geneva, N. Y.—Waukegan, Ill.—West Newton, Pa.